

CLAIMS

1. A program providing system comprising:

5 a broadcast receiver for receiving program data broadcasted from a broadcasting station and providing a user with a program represented by the program data; and

a mobile terminal accommodated by a mobile communication network and having a function of transmitting a control signal including identification information of a user,

10 wherein said broadcast receiver comprises:

a memory for storing attribute information and identification information of one or more users correspondingly;

a receiving unit for receiving the control signal from said mobile terminal; and

15 a control unit for reading from said memory attribute information corresponding to the identification information included in the control signal received by said receiving unit, and receiving a request for provision of the program according to the attribute information.

2. A program providing system according to Claim 1, wherein said

20 mobile attaches the identification information to all control signals for transmission to said broadcast receiver.

3. A program providing system according to Claim 1, wherein said control unit provides a user interface according to the attribute information corresponding to the identification information included in the received control signal.

25 4. A program providing system according to Claim 1, wherein said broadcast receiver receives a broadcasting schedule, which includes attributes of the programs, broadcasted from the broadcasting station; and said control unit does not allow a user to receive a program, of which

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attribute is not congruous with the attribute information of the user.

5. A program providing system according to Claim 1, wherein said broadcast receiver transmits program data received from said broadcasting station to said mobile terminal, and said mobile terminal receives program data sent from said broadcast receiver to provide a user with a program represented by the program data.

6. A program providing system according to Claim 1, wherein communication is carried out by radio between said broadcast receiver and said mobile terminal.

10 7. A program providing system according to Claim 1, wherein:

 said broadcast receiver transmits information, which is necessary for said mobile terminal to receive program data from said broadcasting station via said mobile communication network, to said mobile terminal; and

15 said mobile terminal has a function of communicating with said broadcasting station via said mobile communication network, receives the information sent from said broadcast receiver, transmits a signal representing a request for transmission of program data to said broadcasting station according to the information, receives the program data sent from said broadcasting station responsive to the request, and provides a user with a program represented by the program data.

20 8. A program providing system according to Claim 1, wherein the amount of program data received by said mobile terminal is smaller than that received by said broadcast receiver receives from said broadcasting station.

25 9. A broadcast receiver for receiving program data broadcasted from a broadcasting station and providing a user with a program represented by the program data, comprising:

 a memory for storing attribute information and identification

information of one or more users correspondingly;

a receiving unit for receiving a control signal from a mobile terminal; and

5 a control unit for reading attribute information corresponding to the identification information included in the control signal received by said receiving unit, from said memory, and receiving a request for provision of the program according to the attribute information.

10 10. A broadcast receiver according to Claim 9, wherein said broadcast receiver transmits the received program data to said mobile terminal.

11 11. A broadcast receiver according to Claim 9, wherein said control unit provides a user interface according to the attribute information corresponding to the identification information included in the control signal.

12 15. A broadcast receiver according to Claim 9, wherein said broadcast receiver receives a broadcasting schedule broadcasted from said broadcasting station including attributes of the programs, and said control unit does not allow a user to receives a program, of which attribute is not congruous with the attribute information of the user.

13 20. A mobile terminal accommodated by a mobile communication network, wherein:

25 said mobile terminal transmits a control signal representing a request for provision of a program and including identification information of a user, to a broadcast receiver which receives program data broadcasted from a broadcasting station and provides a user with a program represented by the program data; receives the program data sent from said broadcast receiver; and provides a user with a program represented by the program data.

14. A mobile terminal according to Claim 13, wherein said mobile terminal has a function of communicating with said broadcasting station

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via said mobile communication network, receives information, which is necessary to receive program data from said broadcasting station via said mobile communication network, from said broadcast receiver, transmits to said broadcasting station a signal representing transmission of program

5 data according to the information, receives program data sent from said broadcasting station responsive to the request, and provides a user with a program represented by the program data.